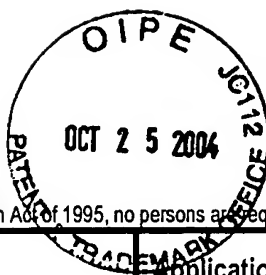


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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application Number	10/015,671
		Filing Date	DECEMBER 11, 2001
		First Named Inventor	KEVIN P. BAKER
		Group/Art Unit	1647
		Examiner Name	HUNNICUTT, RACHEL KAPUST
Total Number of Pages in This Submission	46	Attorney Docket Number	39780-2830 P1C47

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> <b>AMENDMENT / RESPONSE</b> <input checked="" type="checkbox"/> <b>AFTER FINAL</b> <input type="checkbox"/> Version With Markings Showing Changes <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 <input type="checkbox"/> Copy of Notice	<input type="checkbox"/> Copy of an Assignment <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, by Assignee to Exclusion of Inventor Under 37 C.F.R. §3.71 With Revocation of Prior Powers <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> <b>ADDITIONAL ENCLOSURE(S) (PLEASE IDENTIFY BELOW):</b> <input checked="" type="checkbox"/> <b>DECLARATION OF NAPOLEONE FERRARA, AUDREY GODDARD, PAUL J. GODOWSKI, AUSTIN GURNEY, JAMES PAN, COLIN K. WATANABE &amp; WILLIAM I. WOOD UNDER 37 C.F.R. §1.131 WITH EXHIBIT A; AMENDMENT UNDER 37 C.F.R. §1.48(b); and STAMPED RETURN POSTCARD</b>
<b>Remarks</b> AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT 08-1641 FOR ANY FEES DUE IN CONNECTION WITH THIS PAPER, REFERENCING ATTORNEY'S DOCKET NO. 39780-2830 P1C47.		

**SIGNATURE OF APPLICANT, ATTORNEY OR AGENT**

Firm or Individual name	HELLER EHRMAN WHITE & McAULIFFE LLP		ANNA L. BARRY (Reg. No. 51,436)	
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Signature				
Date	OCTOBER 25, 2004	Customer Number:	35489	

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated below and addressed to: MAIL STOP AF, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on this date: <b>OCTOBER 25, 2004</b>			
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Typed or printed name	C. FONG		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Examiner: Hunnicutt, Rachel Kapust
	)	
Kevin P. BAKER, et al.	)	Art Unit: 1647
	)	
Application Serial No. 10/015,671	)	Confirmation No. 8003
	)	
Filed: December 11, 2001	)	Attorney's Docket No. 39780-2830 P1C47
	)	
For: <b>SECRETED AND</b>	)	<b>Customer No. 35489</b>
<b>TRANSMEMBRANE</b>	)	
<b>POLYPEPTIDES AND NUCLEIC</b>	)	
<b>ACIDS ENCODING THE SAME</b>	)	

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EXPRESS MAIL LABEL NO. EL 977 609 279 US  
DATE MAILED: OCTOBER 25, 2004

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

**MAIL STOP AF**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

In response to the Final Office Action mailed on August 24, 2004 in connection with the above-identified patent application (Paper No./Mail Date 0804), please enter the following amendments, and consider the following arguments. The present Amendment and Response is accompanied by the submission of declaration signed by all of the inventors, the consideration of which is respectfully requested. In addition, enclosed herewith is the Amendment Under 37 C.F.R. §1.48(b) to correct the inventorship in the present application, the consideration of which is respectfully requested.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.